

What is claimed is:

1. A resin composition comprising 70 to 99.9% by weight of ethylene-vinyl alcohol copolymer (A) and 0.1 to 30% by weight of a thermoplastic resin (B) other than the ethylene-vinyl alcohol copolymer (A), wherein

an ethylene content ETa (mol%) and a degree of saponification SDa (%) of the ethylene-vinyl alcohol copolymer (A) satisfy the following equations (1) and (2):

$$25 \leq \text{ETa} \leq 55 \quad (1)$$

$$90 \leq \text{SDa} < 99 \quad (2), \text{ and}$$

an oxygen absorption rate of the resin composition is $0.01 \text{ ml/m}^2 \cdot \text{day}$ or more.

2. A resin composition comprising 70 to 99.9% by weight of ethylene-vinyl alcohol copolymer (A) and 0.1 to 30% by weight of a thermoplastic resin (B) other than the ethylene-vinyl alcohol copolymer (A), wherein

the ethylene-vinyl alcohol copolymer (A) comprises at least two kinds of ethylene-vinyl alcohol copolymers (a1) and (a2),

ethylene contents ETa1 (mol%) and ETa2 (mol%) and degrees of saponification SDa1 (%) and SDa2 (%) of the ethylene-vinyl alcohol copolymers (a1) and (a2), respectively, satisfy the following equations (3) to (6):

$$25 \leq \text{ETa1} \leq 55 \quad (3)$$

$$90 \leq \text{SDa1} < 99 \quad (4)$$

$$25 \leq \text{ETa2} \leq 55 \quad (5)$$

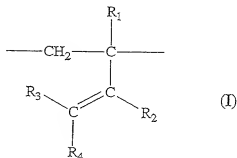
$$90 \leq \text{SDa2} \quad (6),$$

a weight ratio (a1/a2) of the ethylene-vinyl alcohol copolymers (a1) and (a2) is 5/95 to 95/5, and

an oxygen absorption rate of the resin composition is

0.01ml/m² · day or more.

3. The resin composition of claim 2, wherein the thermoplastic resin (B) comprises a carbon-carbon double bond.
4. The resin composition of any one of claim 2, further comprises a transition metal salt (C).
5. The resin composition of claim 2, wherein the thermoplastic resin (B) comprises a carbon-carbon double bond in a ratio of 0.0001eq/g or more.
6. The resin composition of claim 2, wherein the thermoplastic resin (B) comprises a unit represented by formula (I)



wherein R₁ is a hydrogen atom or an alkyl group having 1 to 5 carbon atoms, R₂ is a hydrogen atom, an alkyl group having 1 to 10 carbon atoms, an aryl group, an alkylaryl group, an arylalkyl group or an alkoxy group, R₃ and R₄ are each independently a hydrogen atom, an alkyl group having 1 to 10 carbon atoms, an aryl group that can be substituted, -COOR₅, -OCOR₆, an cyano group or a halogen atom, and R₅ and R₆ are each independently an alkyl group having 1 to 10 carbon atoms, an aryl group, an alkylaryl group, an arylalkyl group or an

alkoxy group.

7. The resin composition of claim 2, wherein a molecular weight of the thermoplastic resin (B) is 1000 to 500000.

8. The resin composition of claim 2, wherein the thermoplastic resin (B) comprises an aromatic vinyl compound unit and a diene compound unit.

9. The resin composition of claim 8, wherein the diene compound unit is at least one of an isoprene unit and a butadiene unit.

10. The resin composition of claim 8, wherein the aromatic vinyl compound unit is a styrene unit.

11. The resin composition of claim 8, wherein the thermoplastic resin (B) is a block copolymer.

12. The resin composition of claim 2, wherein the thermoplastic resin (B) is a styrene-isoprene block copolymer.

13. The resin composition of claim 2, wherein a difference in refractive index between the ethylene-vinyl alcohol copolymer (A) and the thermoplastic resin (B) is 0.01 or less.

14. The resin composition of claim 2, wherein particles of the thermoplastic resin (B) are dispersed in a matrix of the ethylene-vinyl alcohol copolymer (A).

15. A resin composition comprising ethylene-vinyl alcohol copolymer (A), a thermoplastic resin (B) other than the ethylene-vinyl alcohol copolymer (A), and a transition metal salt (C), wherein

an ethylene content ETa (mol%) and a degree of saponification SDa (%) of the ethylene-vinyl alcohol copolymer (A) satisfy the following equations (1) and (2):

$$25 \leq \text{ETa} \leq 55 \quad (1)$$

$$90 \leq \text{SDa} < 99 \quad (2), \text{ and}$$

the thermoplastic resin (B) comprises a carbon-carbon double bond.

16. A resin composition comprising ethylene-vinyl alcohol copolymer (A), a thermoplastic resin (B) other than the ethylene-vinyl alcohol copolymer (A), and a transition metal salt (C), wherein

the ethylene-vinyl alcohol copolymer (A) comprises at least two kinds of ethylene-vinyl alcohol copolymers (a1) and (a2),

ethylene contents ETa1 (mol%) and ETa2 (mol%) and degrees of saponification SDa1 (%) and SDa2 (%) of the ethylene-vinyl alcohol copolymers (a1) and (a2), respectively, satisfy the following equations (3) to (6):

$$25 \leq \text{ETa1} \leq 55 \quad (3)$$

$$90 \leq \text{SDa1} < 99 \quad (4)$$

$$25 \leq \text{ETa2} \leq 55 \quad (5)$$

$$90 \leq \text{SDa2} \quad (6),$$

a weight ratio (a1/a2) of the ethylene-vinyl alcohol copolymers (a1) and (a2) is 5/95 to 95/5, and

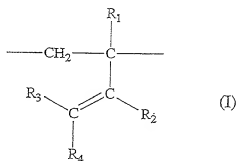
the thermoplastic resin (B) comprises a carbon-carbon double bond.

17. The resin composition of claim 16, wherein the transition metal salt (C) is contained in a ratio of 1 to 5000ppm in terms of metal element, based on a total weight of the ethylene-vinyl alcohol copolymer (A) and the thermoplastic resin (B).

18. The resin composition of claim 16, wherein the transition metal salt (C) comprises at least one transition metal selected from the group consisting of iron, nickel, copper, manganese, and cobalt.

19. The resin composition of claim 16, wherein the thermoplastic resin (B) comprises a carbon-carbon double bond in a ratio of 0.0001eq/g or more.

20. The resin composition of claim 16, wherein the thermoplastic resin (B) comprises a unit represented by formula (I)



wherein R_1 is a hydrogen atom or an alkyl group having 1 to 5 carbon atoms, R_2 is a hydrogen atom, an alkyl group having 1 to 10 carbon atoms, an aryl group, an alkylaryl group, an arylalkyl group or an alkoxy group, R_3 and R_4 are each independently a hydrogen atom, an alkyl group having 1 to 10 carbon atoms, an aryl group that can be substituted, $-\text{COOR}_5$, $-\text{OCOR}_6$, an cyano group or a halogen atom, and R_5 and R_6 are each independently an alkyl group having 1 to 10 carbon atoms, an aryl group, an alkylaryl group, an arylalkyl group or an

alkoxy group.

21. The resin composition of claim 16, wherein a molecular weight of the thermoplastic resin (B) is 1000 to 500000.

22. The resin composition of claim 16, wherein the thermoplastic resin (B) comprises an aromatic vinyl compound unit and a diene compound unit.

23. The resin composition of claim 22, wherein the diene compound unit is at least one of an isoprene unit and a butadiene unit.

24. The resin composition of claim 22, wherein the aromatic vinyl compound unit is a styrene unit.

25. The resin composition of claim 22, wherein the thermoplastic resin (B) is a block copolymer.

26. The resin composition of claim 16, wherein the thermoplastic resin (B) is a styrene-isoprene block copolymer.

27. The resin composition of claims 16, wherein a difference in refractive index between the ethylene-vinyl alcohol copolymer (A) and the thermoplastic resin (B) is 0.01 or less.

28. The resin composition of claim 16, wherein particles of the thermoplastic resin (B) are dispersed in a matrix of the ethylene-vinyl alcohol copolymer (A).

29. A resin composition comprising ethylene-vinyl alcohol copolymer (A), a thermoplastic resin (B) other than the ethylene-vinyl alcohol copolymer (A), and a transition metal salt (C), wherein

the ethylene-vinyl alcohol copolymer (A) is contained in an amount of 70 to 99.9% by weight and the thermoplastic resin (B) is contained in an amount of 0.1 to 30% by weight,

the ethylene-vinyl alcohol copolymer (A) comprises at least two kinds of ethylene-vinyl alcohol copolymers (a1) and (a2),

ethylene contents ETa1 (mol%) and ETa2 (mol%) and degrees of saponification SDa1 (%) and SDa2 (%) of the ethylene-vinyl alcohol copolymers (a1) and (a2), respectively, satisfy the following equations (3) to (6):

$$25 \leq \text{ETa1} \leq 55 \quad (3)$$

$$90 \leq \text{SDa1} < 99 \quad (4)$$

$$25 \leq \text{ETa2} \leq 55 \quad (5)$$

$$99 \leq \text{SDa2} \quad (6),$$

a weight ratio (a1/a2) of the ethylene-vinyl alcohol copolymers (a1) and (a2) is 5/95 to 95/5,

the thermoplastic resin (B) comprises a carbon-carbon double bond, and

an oxygen absorption rate of the resin composition is $0.01 \text{ ml/m}^2 \cdot \text{day}$ or more.

30. A multilayered structure comprising at least one layer made of the resin composition of claim 2.

31. A multilayered container comprising at least one layer made of the resin composition of claim 2 and at least one thermoplastic polyester layer.

32. The multilayered container of claim 31, wherein two thermoplastic polyester layers are arranged so as to be in direct contact with both surfaces of the layer made of the resin composition.

33. A coinjection blow molded container having a multilayered structure, in which two thermoplastic polyester layers are arranged so as to be in direct contact with both surfaces of a layer made of the resin composition of claim 2.

34. A multilayered structure comprising at least one layer made of the resin composition of claim 16.

35. A multilayered container comprising at least one layer made of the resin composition of claim 16 and at least one thermoplastic polyester layer.

36. The multilayered container of claim 35, wherein two thermoplastic polyester layers are arranged so as to be in direct contact with both surfaces of the layer made of the resin composition.

37. A coinjection blow molded container having a multilayered structure, in which two thermoplastic polyester layers are arranged so as to be in direct contact with both surfaces of a layer made of the resin composition of claim 16.